

Release notes for ENDF/B Development n-064\_Gd\_158  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=6443, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=6443, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      285 TO      458
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=6443, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=6443, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      285
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6443, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      460
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      764
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      783
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      836
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      880
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 17 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 17 | RECORD NUMBER | 894 |
| SECTION 3/ 17 NOT IN DIRECTORY            |               |     |
8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 22 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 22 | RECORD NUMBER | 903 |
| SECTION 3/ 22 NOT IN DIRECTORY            |               |     |
9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 24 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 24 | RECORD NUMBER | 917 |
| SECTION 3/ 24 NOT IN DIRECTORY            |               |     |
10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 28 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 28 | RECORD NUMBER | 926 |
| SECTION 3/ 28 NOT IN DIRECTORY            |               |     |
11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 41 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 41 | RECORD NUMBER | 938 |
| SECTION 3/ 41 NOT IN DIRECTORY            |               |     |
12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 51 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 51 | RECORD NUMBER | 945 |
| SECTION 3/ 51 NOT IN DIRECTORY            |               |     |
13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 52 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 52 | RECORD NUMBER | 973 |
| SECTION 3/ 52 NOT IN DIRECTORY            |               |     |
14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 53 | RECORD NUMBER | 1004 |
| SECTION 3/ 53 NOT IN DIRECTORY            |               |      |
15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 54 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 54 | RECORD NUMBER | 1030 |
| SECTION 3/ 54 NOT IN DIRECTORY            |               |      |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 55 | RECORD NUMBER | 1056 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |      |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 56 | RECORD NUMBER | 1078 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |      |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 57 | RECORD NUMBER | 1101 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |      |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 58 | RECORD NUMBER | 1123 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |      |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 59 | RECORD NUMBER | 1146 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |      |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 60 | RECORD NUMBER | 1168 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |      |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 61 | RECORD NUMBER | 1188 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |      |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 62 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 62 |                    |
| SECTION 3/ 62 NOT IN DIRECTORY            | RECORD NUMBER 1209 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 63 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 63 |                    |
| SECTION 3/ 63 NOT IN DIRECTORY            | RECORD NUMBER 1228 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 64 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 64 |                    |
| SECTION 3/ 64 NOT IN DIRECTORY            | RECORD NUMBER 1249 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 65 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 65 |                    |
| SECTION 3/ 65 NOT IN DIRECTORY            | RECORD NUMBER 1269 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 66 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 66 |                    |
| SECTION 3/ 66 NOT IN DIRECTORY            | RECORD NUMBER 1288 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 67 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 67 |                    |
| SECTION 3/ 67 NOT IN DIRECTORY            | RECORD NUMBER 1307 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 68 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 68 |                    |
| SECTION 3/ 68 NOT IN DIRECTORY            | RECORD NUMBER 1326 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 69 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 69 |                    |
| SECTION 3/ 69 NOT IN DIRECTORY            | RECORD NUMBER 1346 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 70 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 70 | RECORD NUMBER | 1365 |
| SECTION 3/ 70 NOT IN DIRECTORY            |               |      |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 71 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 71 | RECORD NUMBER | 1384 |
| SECTION 3/ 71 NOT IN DIRECTORY            |               |      |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 72 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 72 | RECORD NUMBER | 1403 |
| SECTION 3/ 72 NOT IN DIRECTORY            |               |      |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 73 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 73 | RECORD NUMBER | 1422 |
| SECTION 3/ 73 NOT IN DIRECTORY            |               |      |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 74 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 74 | RECORD NUMBER | 1441 |
| SECTION 3/ 74 NOT IN DIRECTORY            |               |      |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 75 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 75 | RECORD NUMBER | 1459 |
| SECTION 3/ 75 NOT IN DIRECTORY            |               |      |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 76 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 76 | RECORD NUMBER | 1477 |
| SECTION 3/ 76 NOT IN DIRECTORY            |               |      |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 77 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 77 | RECORD NUMBER | 1495 |
| SECTION 3/ 77 NOT IN DIRECTORY            |               |      |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT= 91 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT= 91 |                    |
| SECTION 3/ 91 NOT IN DIRECTORY            | RECORD NUMBER 1512 |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=102 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT=102 |                    |
| SECTION 3/102 NOT IN DIRECTORY            | RECORD NUMBER 1540 |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=103 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT=103 |                    |
| SECTION 3/103 NOT IN DIRECTORY            | RECORD NUMBER 1564 |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=107 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT=107 |                    |
| SECTION 3/107 NOT IN DIRECTORY            | RECORD NUMBER 1581 |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=600 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT=600 |                    |
| SECTION 3/600 NOT IN DIRECTORY            | RECORD NUMBER 1600 |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=649 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT=649 |                    |
| SECTION 3/649 NOT IN DIRECTORY            | RECORD NUMBER 1616 |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=800 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT=800 |                    |
| SECTION 3/800 NOT IN DIRECTORY            | RECORD NUMBER 1632 |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=801 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 3, MT=801 |                    |
| SECTION 3/801 NOT IN DIRECTORY            | RECORD NUMBER 1651 |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=802 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6443, MF= 3, MT=802 |                    |
|  | SECTION 3/802 NOT IN DIRECTORY            | RECORD NUMBER 1670 |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=803 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6443, MF= 3, MT=803 |                    |
|  | SECTION 3/803 NOT IN DIRECTORY            | RECORD NUMBER 1689 |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=804 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6443, MF= 3, MT=804 |                    |
|  | SECTION 3/804 NOT IN DIRECTORY            | RECORD NUMBER 1708 |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=805 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6443, MF= 3, MT=805 |                    |
|  | SECTION 3/805 NOT IN DIRECTORY            | RECORD NUMBER 1727 |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=806 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6443, MF= 3, MT=806 |                    |
|  | SECTION 3/806 NOT IN DIRECTORY            | RECORD NUMBER 1746 |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=807 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6443, MF= 3, MT=807 |                    |
|  | SECTION 3/807 NOT IN DIRECTORY            | RECORD NUMBER 1765 |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 3, MT=849 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6443, MF= 3, MT=849 |                    |
|  | SECTION 3/849 NOT IN DIRECTORY            | RECORD NUMBER 1784 |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 2 (0): Directory (b)*
- |  |  |                    |
|--|--|--------------------|
|  | ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 2 |                    |
|  | SECTION 4/ 2 NOT IN DIRECTORY            | RECORD NUMBER 1804 |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 51 (0): Directory (b)*



- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 51 | RECORD NUMBER | 2023 |
| SECTION 4/ 51 NOT IN DIRECTORY            |               |      |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 52 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 52 | RECORD NUMBER | 2224 |
| SECTION 4/ 52 NOT IN DIRECTORY            |               |      |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 53 | RECORD NUMBER | 2395 |
| SECTION 4/ 53 NOT IN DIRECTORY            |               |      |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 54 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 54 | RECORD NUMBER | 2551 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 55 | RECORD NUMBER | 2692 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 56 | RECORD NUMBER | 2856 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 57 | RECORD NUMBER | 2951 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 58 | RECORD NUMBER | 3106 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 59 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 59 | RECORD NUMBER | 3201 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 60 | RECORD NUMBER | 3343 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 61 | RECORD NUMBER | 3498 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 62 | RECORD NUMBER | 3654 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 63 | RECORD NUMBER | 3807 |
| SECTION 4/ 63 NOT IN DIRECTORY            |               |      |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 64 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 64 | RECORD NUMBER | 3960 |
| SECTION 4/ 64 NOT IN DIRECTORY            |               |      |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 65 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 65 | RECORD NUMBER | 4053 |
| SECTION 4/ 65 NOT IN DIRECTORY            |               |      |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 66 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 66 | RECORD NUMBER | 4165 |
| SECTION 4/ 66 NOT IN DIRECTORY            |               |      |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 67 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 67 | RECORD NUMBER | 4277 |
| SECTION 4/ 67 NOT IN DIRECTORY            |               |      |
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 68 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 68 | RECORD NUMBER | 4370 |
| SECTION 4/ 68 NOT IN DIRECTORY            |               |      |
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 69 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 69 | RECORD NUMBER | 4463 |
| SECTION 4/ 69 NOT IN DIRECTORY            |               |      |
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 70 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 70 | RECORD NUMBER | 4556 |
| SECTION 4/ 70 NOT IN DIRECTORY            |               |      |
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 71 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 71 | RECORD NUMBER | 4649 |
| SECTION 4/ 71 NOT IN DIRECTORY            |               |      |
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 72 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 72 | RECORD NUMBER | 4742 |
| SECTION 4/ 72 NOT IN DIRECTORY            |               |      |
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 73 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 73 | RECORD NUMBER | 4835 |
| SECTION 4/ 73 NOT IN DIRECTORY            |               |      |
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 74 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 74 | RECORD NUMBER | 4928 |
| SECTION 4/ 74 NOT IN DIRECTORY            |               |      |
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 75 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 75 | RECORD NUMBER | 5021 |
| SECTION 4/ 75 NOT IN DIRECTORY            |               |      |
80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 76 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 76 | RECORD NUMBER | 5114 |
| SECTION 4/ 76 NOT IN DIRECTORY            |               |      |
81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT= 77 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT= 77 | RECORD NUMBER | 5205 |
| SECTION 4/ 77 NOT IN DIRECTORY            |               |      |
82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=600 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=600 | RECORD NUMBER | 5296 |
| SECTION 4/600 NOT IN DIRECTORY            |               |      |
83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=800 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=800 | RECORD NUMBER | 5373 |
| SECTION 4/800 NOT IN DIRECTORY            |               |      |
84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=801 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=801 | RECORD NUMBER | 5468 |
| SECTION 4/801 NOT IN DIRECTORY            |               |      |
85. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=802 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=802 | RECORD NUMBER | 5563 |
| SECTION 4/802 NOT IN DIRECTORY            |               |      |
86. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=803 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=803 | RECORD NUMBER | 5658 |
| SECTION 4/803 NOT IN DIRECTORY            |               |      |
87. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=804 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=804 |                    |
| SECTION 4/804 NOT IN DIRECTORY            | RECORD NUMBER 5753 |
88. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=805 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=805 |                    |
| SECTION 4/805 NOT IN DIRECTORY            | RECORD NUMBER 5848 |
89. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=806 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=806 |                    |
| SECTION 4/806 NOT IN DIRECTORY            | RECORD NUMBER 5943 |
90. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 4, MT=807 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 4, MT=807 |                    |
| SECTION 4/807 NOT IN DIRECTORY            | RECORD NUMBER 6038 |
91. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT= 16 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 6, MT= 16 |                    |
| SECTION 6/ 16 NOT IN DIRECTORY            | RECORD NUMBER 6134 |
92. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT= 17 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 6, MT= 17 |                    |
| SECTION 6/ 17 NOT IN DIRECTORY            | RECORD NUMBER 7949 |
93. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT= 22 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 6, MT= 22 |                    |
| SECTION 6/ 22 NOT IN DIRECTORY            | RECORD NUMBER 8381 |
94. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT= 24 (0): Directory (b)*
- |   |                     |
|---|---------------------|
| ERROR(S) FOUND IN MAT=6443, MF= 6, MT= 24 |                     |
| SECTION 6/ 24 NOT IN DIRECTORY            | RECORD NUMBER 11359 |
95. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT= 28 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF= 6, MT= 28  
SECTION 6/ 28 NOT IN DIRECTORY RECORD NUMBER 11942
96. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT= 41 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF= 6, MT= 41  
SECTION 6/ 41 NOT IN DIRECTORY RECORD NUMBER 13418
97. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT= 91 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF= 6, MT= 91  
SECTION 6/ 91 NOT IN DIRECTORY RECORD NUMBER 13616
98. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT=102 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF= 6, MT=102  
SECTION 6/102 NOT IN DIRECTORY RECORD NUMBER 23210
99. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT=649 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF= 6, MT=649  
SECTION 6/649 NOT IN DIRECTORY RECORD NUMBER 25195
100. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF= 6, MT=849 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF= 6, MT=849  
SECTION 6/849 NOT IN DIRECTORY RECORD NUMBER 27352
101. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 51  
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 30235
102. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 52  
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 30239
103. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 53 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 53  
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 30243
104. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 54  
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 30247
105. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 55  
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 30251
106. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 56  
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 30255
107. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 57  
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 30259
108. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 58  
SECTION 12/ 58 NOT IN DIRECTORY RECORD NUMBER 30263
109. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 59  
SECTION 12/ 59 NOT IN DIRECTORY RECORD NUMBER 30267
110. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 60  
SECTION 12/ 60 NOT IN DIRECTORY RECORD NUMBER 30271
111. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 61 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 61  
SECTION 12/ 61 NOT IN DIRECTORY RECORD NUMBER 30275
112. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 62  
SECTION 12/ 62 NOT IN DIRECTORY RECORD NUMBER 30279
113. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 63  
SECTION 12/ 63 NOT IN DIRECTORY RECORD NUMBER 30284
114. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 64 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 64  
SECTION 12/ 64 NOT IN DIRECTORY RECORD NUMBER 30288
115. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 65 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 65  
SECTION 12/ 65 NOT IN DIRECTORY RECORD NUMBER 30292
116. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 66 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 66  
SECTION 12/ 66 NOT IN DIRECTORY RECORD NUMBER 30296
117. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 67 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 67  
SECTION 12/ 67 NOT IN DIRECTORY RECORD NUMBER 30300
118. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 68 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 68  
SECTION 12/ 68 NOT IN DIRECTORY RECORD NUMBER 30304
119. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 69 (0): Directory (b)*



- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 69  
SECTION 12/ 69 NOT IN DIRECTORY RECORD NUMBER 30308
120. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 70 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 70  
SECTION 12/ 70 NOT IN DIRECTORY RECORD NUMBER 30312
121. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 71 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 71  
SECTION 12/ 71 NOT IN DIRECTORY RECORD NUMBER 30317
122. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 72 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 72  
SECTION 12/ 72 NOT IN DIRECTORY RECORD NUMBER 30323
123. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 73 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 73  
SECTION 12/ 73 NOT IN DIRECTORY RECORD NUMBER 30327
124. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 74 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 74  
SECTION 12/ 74 NOT IN DIRECTORY RECORD NUMBER 30331
125. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 75 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 75  
SECTION 12/ 75 NOT IN DIRECTORY RECORD NUMBER 30335
126. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 76 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 76  
SECTION 12/ 76 NOT IN DIRECTORY RECORD NUMBER 30340
127. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT= 77 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF=12, MT= 77  
SECTION 12/ 77 NOT IN DIRECTORY RECORD NUMBER 30344
128. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT=801  
SECTION 12/801 NOT IN DIRECTORY RECORD NUMBER 30351
129. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT=802  
SECTION 12/802 NOT IN DIRECTORY RECORD NUMBER 30355
130. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT=803 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT=803  
SECTION 12/803 NOT IN DIRECTORY RECORD NUMBER 30359
131. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT=804 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT=804  
SECTION 12/804 NOT IN DIRECTORY RECORD NUMBER 30363
132. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT=805 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT=805  
SECTION 12/805 NOT IN DIRECTORY RECORD NUMBER 30367
133. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT=806 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT=806  
SECTION 12/806 NOT IN DIRECTORY RECORD NUMBER 30371
134. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=12, MT=807 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=12, MT=807  
SECTION 12/807 NOT IN DIRECTORY RECORD NUMBER 30375
135. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 51 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 51  
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 30380
136. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 52  
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 30382
137. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 53  
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 30384
138. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 54  
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 30386
139. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 55  
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 30388
140. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 56  
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 30390
141. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 57  
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 30392
142. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 58  
SECTION 14/ 58 NOT IN DIRECTORY RECORD NUMBER 30394
143. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 59 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 59  
SECTION 14/ 59 NOT IN DIRECTORY RECORD NUMBER 30396
144. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 60  
SECTION 14/ 60 NOT IN DIRECTORY RECORD NUMBER 30398
145. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 61  
SECTION 14/ 61 NOT IN DIRECTORY RECORD NUMBER 30400
146. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 62  
SECTION 14/ 62 NOT IN DIRECTORY RECORD NUMBER 30402
147. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 63  
SECTION 14/ 63 NOT IN DIRECTORY RECORD NUMBER 30404
148. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 64 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 64  
SECTION 14/ 64 NOT IN DIRECTORY RECORD NUMBER 30406
149. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 65 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 65  
SECTION 14/ 65 NOT IN DIRECTORY RECORD NUMBER 30408
150. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 66 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 66  
SECTION 14/ 66 NOT IN DIRECTORY RECORD NUMBER 30410
151. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 67 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 67  
SECTION 14/ 67 NOT IN DIRECTORY RECORD NUMBER 30412
152. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 68 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 68  
SECTION 14/ 68 NOT IN DIRECTORY RECORD NUMBER 30414
153. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 69 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 69  
SECTION 14/ 69 NOT IN DIRECTORY RECORD NUMBER 30416
154. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 70 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 70  
SECTION 14/ 70 NOT IN DIRECTORY RECORD NUMBER 30418
155. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 71 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 71  
SECTION 14/ 71 NOT IN DIRECTORY RECORD NUMBER 30420
156. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 72 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 72  
SECTION 14/ 72 NOT IN DIRECTORY RECORD NUMBER 30422
157. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 73 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 73  
SECTION 14/ 73 NOT IN DIRECTORY RECORD NUMBER 30424
158. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 74 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 74  
SECTION 14/ 74 NOT IN DIRECTORY RECORD NUMBER 30426
159. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 75 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 75  
SECTION 14/ 75 NOT IN DIRECTORY RECORD NUMBER 30428
160. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 76 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 76  
SECTION 14/ 76 NOT IN DIRECTORY RECORD NUMBER 30430
161. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT= 77 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT= 77  
SECTION 14/ 77 NOT IN DIRECTORY RECORD NUMBER 30432
162. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT=801  
SECTION 14/801 NOT IN DIRECTORY RECORD NUMBER 30434
163. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT=802  
SECTION 14/802 NOT IN DIRECTORY RECORD NUMBER 30436
164. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT=803 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT=803  
SECTION 14/803 NOT IN DIRECTORY RECORD NUMBER 30438
165. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT=804 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT=804  
SECTION 14/804 NOT IN DIRECTORY RECORD NUMBER 30440
166. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT=805 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT=805  
SECTION 14/805 NOT IN DIRECTORY RECORD NUMBER 30442
167. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT=806 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6443, MF=14, MT=806  
SECTION 14/806 NOT IN DIRECTORY RECORD NUMBER 30444
168. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=14, MT=807 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=14, MT=807  
SECTION 14/807 NOT IN DIRECTORY RECORD NUMBER 30446
169. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=33, MT= 1 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=33, MT= 1  
SECTION 33/ 1 NOT IN DIRECTORY RECORD NUMBER 30449
170. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=33, MT= 2 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=33, MT= 2  
SECTION 33/ 2 NOT IN DIRECTORY RECORD NUMBER 30882
171. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=33, MT= 4 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=33, MT= 4  
SECTION 33/ 4 NOT IN DIRECTORY RECORD NUMBER 31315
172. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=33, MT= 16 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=33, MT= 16  
SECTION 33/ 16 NOT IN DIRECTORY RECORD NUMBER 31635
173. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6443, MF=33, MT=102 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6443, MF=33, MT=102  
SECTION 33/102 NOT IN DIRECTORY RECORD NUMBER 31717

- **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 2.00000E-04
STRENGTH FUNCTION 2.00000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
... [37 more lines]
```

2. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 2.00000E-04 / ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.43339E+01 SHOULD BE 4.12614E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 2.00000E-04
ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.43339E+01 SHOULD BE 4.12614E+01
```

3. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.43324E+01 SHOULD BE 4.12600E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.43324E+01 SHOULD BE 4.12600E+01
```

4. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 2.00000E-04
STRENGTH FUNCTION 2.00000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

5. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.41752E+01 SHOULD BE 4.11137E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.41752E+01 SHOULD BE 4.11137E+01
```

6. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 2.00000E-04
STRENGTH FUNCTION 2.00000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

7. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.40185E+01 SHOULD BE 4.09678E+01 (0): URR dens. (a)*



FILE 2  
SECTION 151  
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.40185E+01 SHOULD BE 4.09678E+01

8. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

FILE 2  
SECTION 151  
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04

9. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.38624E+01 SHOULD BE 4.08226E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.38624E+01 SHOULD BE 4.08226E+01

10. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

FILE 2  
SECTION 151  
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04

11. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.37069E+01 SHOULD BE 4.06778E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.37069E+01 SHOULD BE 4.06778E+01

12. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

FILE 2  
SECTION 151  
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04

13. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.35519E+01 SHOULD BE 4.05336E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.35519E+01 SHOULD BE 4.05336E+01
```

14. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 2.00000E-04
STRENGTH FUNCTION 2.00000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

15. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.33976E+01 SHOULD BE 4.03900E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.33976E+01 SHOULD BE 4.03900E+01
```

16. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 2.00000E-04
STRENGTH FUNCTION 2.00000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

17. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.32438E+01 SHOULD BE 4.02468E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.32438E+01 SHOULD BE 4.02468E+01
```

18. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

- FILE 2  
SECTION 151  
ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
19. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.30906E+01 SHOULD BE 4.01042E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.30906E+01 SHOULD BE 4.01042E+01
20. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
21. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.29380E+01 SHOULD BE 3.99622E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.29380E+01 SHOULD BE 3.99622E+01
22. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
23. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.27859E+01 SHOULD BE 3.98206E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.27859E+01 SHOULD BE 3.98206E+01

24. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
25. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.26344E+01 SHOULD BE 3.96796E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.26344E+01 SHOULD BE 3.96796E+01
26. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
27. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.24834E+01 SHOULD BE 3.95392E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.24834E+01 SHOULD BE 3.95392E+01
28. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
29. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.23330E+01 SHOULD BE 3.93992E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.23330E+01 SHOULD BE 3.93992E+01
30. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
31. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.21832E+01 SHOULD BE 3.92598E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.21832E+01 SHOULD BE 3.92598E+01
32. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
33. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.20339E+01 SHOULD BE 3.91208E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 2.00000E-04  
DENSITY 4.20339E+01 SHOULD BE 3.91208E+01
34. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04

35. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.18852E+01 SHOULD BE 3.89824E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.18852E+01 SHOULD BE 3.89824E+01
```

36. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 2.00000E-04
STRENGTH FUNCTION 2.00000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

37. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.17370E+01 SHOULD BE 3.88445E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.17370E+01 SHOULD BE 3.88445E+01
```

38. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 2.00000E-04
STRENGTH FUNCTION 2.00000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

39. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 2.00000E-04 / DENSITY 4.15894E+01 SHOULD BE 3.87071E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 2.00000E-04
DENSITY 4.15894E+01 SHOULD BE 3.87071E+01
```

40. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 2.00000E-04 / STRENGTH FUNCTION 2.00000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

- FILE 2  
SECTION 151  
ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 2.00000E-04  
STRENGTH FUNCTION 2.00000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04  
... [17 more lines]
41. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / TOTAL OF 37 POINTS IN ERROR FOR THIS J-STATE  
(0): URR dens. (b)*
- FILE 2  
SECTION 151  
TOTAL OF 37 POINTS IN ERROR FOR THIS J-STATE  
TOTAL OF 37 POINTS IN ERROR FOR THIS J-STATE
42. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.98000E+03. STRENGTH FUNCTION IS  
1.80000E-04 / ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 1.80000E-04 /  
DENSITY 3.33144E+01 SHOULD BE 2.95559E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 1.80000E-04  
ENERGY = 9.98000E+03. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.33144E+01 SHOULD BE 2.95559E+01
43. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS  
1.80000E-04 / DENSITY 3.33132E+01 SHOULD BE 2.95549E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.33132E+01 SHOULD BE 2.95549E+01
44. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.20000E+04. STRENGTH FUNCTION IS  
1.80000E-04 / DENSITY 3.31951E+01 SHOULD BE 2.94501E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.31951E+01 SHOULD BE 2.94501E+01
45. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS  
1.80000E-04 / DENSITY 3.30773E+01 SHOULD BE 2.93457E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.30773E+01 SHOULD BE 2.93457E+01
46. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS  
1.80000E-04 / DENSITY 3.29600E+01 SHOULD BE 2.92416E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.29600E+01 SHOULD BE 2.92416E+01
47. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.28432E+01 SHOULD BE 2.91379E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.28432E+01 SHOULD BE 2.91379E+01
48. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.27267E+01 SHOULD BE 2.90346E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.27267E+01 SHOULD BE 2.90346E+01
49. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.26108E+01 SHOULD BE 2.89317E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.26108E+01 SHOULD BE 2.89317E+01
50. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.24952E+01 SHOULD BE 2.88292E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.24952E+01 SHOULD BE 2.88292E+01
51. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.23801E+01 SHOULD BE 2.87271E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.23801E+01 SHOULD BE 2.87271E+01
52. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.22654E+01 SHOULD BE 2.86253E+01 (0): URR dens. (a)*



- FILE 2  
SECTION 151  
ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.22654E+01 SHOULD BE 2.86253E+01
53. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.21511E+01 SHOULD BE 2.85239E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.21511E+01 SHOULD BE 2.85239E+01
54. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.20373E+01 SHOULD BE 2.84229E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.20373E+01 SHOULD BE 2.84229E+01
55. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.19238E+01 SHOULD BE 2.83223E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.19238E+01 SHOULD BE 2.83223E+01
56. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.18108E+01 SHOULD BE 2.82220E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.18108E+01 SHOULD BE 2.82220E+01
57. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.16982E+01 SHOULD BE 2.81222E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 1.80000E-04  
DENSITY 3.16982E+01 SHOULD BE 2.81222E+01
58. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.15861E+01 SHOULD BE 2.80226E+01 (0): URR dens. (a)*

```

FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.80000E-04
DENSITY 3.15861E+01 SHOULD BE 2.80226E+01

```

59. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.14743E+01 SHOULD BE 2.79235E+01 (0): URR dens. (a)*

```

FILE 2
SECTION 151
ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.80000E-04
DENSITY 3.14743E+01 SHOULD BE 2.79235E+01

```

60. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.13629E+01 SHOULD BE 2.78247E+01 (0): URR dens. (a)*

```

FILE 2
SECTION 151
ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 1.80000E-04
DENSITY 3.13629E+01 SHOULD BE 2.78247E+01

```

61. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 1.80000E-04 / DENSITY 3.12520E+01 SHOULD BE 2.77263E+01 (0): URR dens. (a)*

```

FILE 2
SECTION 151
ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 1.80000E-04
DENSITY 3.12520E+01 SHOULD BE 2.77263E+01

```

62. Non-threshold reaction with Q value differing from PSYCHE's expectations  
*FILE 3 / SECTION 107 / THE CALCULATED Q 5.06965E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00 (0): Iffy Q*

```

FILE 3
SECTION 107
THE CALCULATED Q 5.06965E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00

```

- **groupie** Errors:

1. Very small elastic cross section found  
*0: Small elastic*

```

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
-----
ENDF/B Input and Output Data Filenames
ENDFB.IN
ENDFB.OUT
... [97 more lines]

```

- **fudge-4.0** Warnings:

1. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.25%

2. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 3: (z,alpha) (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.90%

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 1 (n + Gd158): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 1 (n + Gd158): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 2 ((z,n)): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 3 (n[multiplicity:'2'] + Gd157 + gamma): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (Gd159 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

10. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (Gd159 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

• fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 29: n[multiplicity:'2'] + Gd157 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8456088.279724121 eV vs -7.937e6 eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 30: n[multiplicity:'3'] + Gd156 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -15033045.83065796 eV vs -1.4297e7 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 31: n + H1 + Eu157 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8612857.346191406 eV vs -8.518e6 eV!

4. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.

*reaction label 31: n + H1 + Eu157 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.05e7 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.15e7 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV  
... plus 18 more instances of this message

5. Calculated and tabulated Q values disagree.  
*reaction label 32: H1 + Eu158 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -2975465.159729004 eV vs -2.703e6 eV!

6. Calculated and tabulated Q values disagree.  
*reaction label 33: H1 + (Eu158\_c -> Eu158 + gamma) (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -2975465.159729004 eV vs -2.703e6 eV!

7. Calculated and tabulated Q values disagree.  
*reaction label 34: He4 + Sm155 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 4493325.712402344 eV vs 5.147e6 eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 35: He4 + Sm155-e1 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 4476775.712402344 eV vs 5130450. eV!

9. Calculated and tabulated Q values disagree.  
*reaction label 36: He4 + Sm155-e2 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 4440295.712402344 eV vs 5093970. eV!

10. Calculated and tabulated Q values disagree.  
*reaction label 37: He4 + Sm155-e3 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4417025.712402344 eV vs 5.0707e6 eV!
11. Calculated and tabulated Q values disagree.  
*reaction label 38: He4 + Sm155-e4 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4365625.712402344 eV vs 5.0193e6 eV!
12. Calculated and tabulated Q values disagree.  
*reaction label 39: He4 + Sm155-e5 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4340905.712402344 eV vs 4994580. eV!
13. Calculated and tabulated Q values disagree.  
*reaction label 40: He4 + Sm155-e6 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4272645.712402344 eV vs 4926320. eV!
14. Calculated and tabulated Q values disagree.  
*reaction label 41: He4 + Sm155-e7 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4242825.712402344 eV vs 4.8965e6 eV!
15. Calculated and tabulated Q values disagree.  
*reaction label 42: He4 + (Sm155-c -> Sm155 + gamma) (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4242825.712402344 eV vs 4.8965e6 eV!
16. Calculated and tabulated Q values disagree.  
*reaction label 43: Gd159 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 5510830.938140869 eV vs 5.943e6 eV!
17. Calculated and tabulated Q values disagree.  
*reaction label 44: n + He4 + Sm154 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -1144066.474121094 eV vs -6.6e5 eV!
18. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 44: n + He4 + Sm154 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*
- WARNING: Extra zero-probability outgoing energies found at incident energy 7.5e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 8.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 8.25e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 8.5e6 eV  
 ... plus 25 more instances of this message
19. Calculated and tabulated Q values disagree.  
*reaction label 45: n[multiplicity:'2'] + He4 + Sm153 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -8660589.389434814 eV vs -8.627e6 eV!

20. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 45: n[multiplicity:'2'] + He4 + Sm153 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.55e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.6e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.65e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.7e7 eV  
 ... plus 8 more instances of this message

21. Calculated and tabulated Q values disagree.  
*reaction label 46: n[multiplicity:'2'] + H1 + Eu156 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -16129380.26156616 eV vs -1.5966e7 eV!

22. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 46: n[multiplicity:'2'] + H1 + Eu156 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.8e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.81e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.82e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.89e7 eV  
 ... plus 3 more instances of this message

23. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

24. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

- njoy2012 Warnings:

1. Message comes from several resonance types that do not support the calculation of angular distributions. Some of them can be used if Want\_SAMRL\_RM or Want\_SAMRML\_BW are true.  
*reconr...reconstruct pointwise cross sections in pendf format (0): RECONR/calculation of angular distribution not installed (0)*

---message from rdf2bw---calculation of angular distribution not installed.  
 samm max legendre order: 0

2. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (0): HEATR/hinit (4)*

---message from hinit---mf6, mt102 does not give recoil za= 64159  
 photon momentum recoil used.